

# FACT SHEET

**Greenhouse Gas Technology Center**  
An Environmental Technology Verification (ETV) Organization  
Sponsored by the U.S. Environmental Protection Agency's Office of Research and Development



measurement  
analysis



technology  
testing



performance  
verifications



environmental  
technologies

## What is the ETV Greenhouse Gas Technology Center?

The ETV Greenhouse Gas (GHG) Technology Center, located in Research Triangle Park, NC is a public/private partnership between the U.S. Environmental Protection Agency (EPA) and Southern Research Institute. The GHG Center operates under the U.S. EPA's Environmental Technology Verification (ETV) program, and provides independent performance testing of technologies that produce, mitigate, monitor, or sequester greenhouse gas emissions.

## What Does the Center Do?

Since 1997, the GHG Center has located promising GHG mitigation and monitoring technologies, subjected them to independent third-party performance testing, and provided performance results to the public free of charge. To date, the GHG Center has completed or initiated the verifications of 36 different environmental technologies. For technologies that perform well, ETV verification can help increase technology sales and further environmental protection. Technology performance verifications are accomplished using measurement and analytical methods that have been reviewed and approved by independent expert stakeholder panels.

The GHG Center strives to help technology purchasers make wise purchase decisions, vendors obtain independent confirmation of their technology's performance, and superior environmental technologies penetrate the market place.

## Technologies Verified or in Process

### Electricity and Heat Production

Capstone 30 kW Microturbine CHP (Biogas)  
Capstone 60 kW Microturbine CHP  
Mariah Heat PlusPower™ Microturbine CHP  
Ingersoll Rand PowerWorks<sup>kw</sup> Microturbine CHP  
Martin-Machinery Engine CHP(Biogas)  
ONSI Phosphoric Acid Fuel Cell(Landfill Gas)  
Honeywell Parallon® Microturbine  
Honeywell Parallon® CO Control Device  
PlugPower Residential-scale PEM Fuel Cell  
UTC PC25™ Phosphoric Acid Fuel Cell -  
(Biogas)  
Aisin Seike 6kW Engine CHP



### Transportation and Other

Conoco FEHP SAE 75W90 Rear Axle Lubricant  
Enviro Diesel Fuel Cleaning System  
GECOTM 3001 Engine Air/Fuel Ratio Controller  
UTC/US Filter Biogas Fuel Cleaning System  
Parametric Engine Emissions Monitoring System  
Envirofuels Diesel Fuel Catalyst  
White Sands Cleanboost Combustion Catalyst  
NCI, Inc. Diesel Crankcase Filtration System  
ECR Technologies Earthlinked Geothermal Water Heating System  
Legend Power Electrical Harmonizer

### Oil and Gas Industry

Compressor Emissions Packing System  
Compressor Seal Assist System (SAS)  
Compressor Static-Pac™ Seal  
EVRUTM Storage Tank Vapor Recovery System  
Pin-Tech™ Bubble Tight Tank Relief Vent  
Quantum Leap Natural Gas Dehydrator



## How Can I Learn More?

You can learn more about the GHG Center and download Verification Test Plans, Statements, Reports, announcements, articles, and other publications from our website ([www.sri-rtp.com](http://www.sri-rtp.com)) and from the ETV Web site ([www.epa.gov/etv](http://www.epa.gov/etv)). You may also request additional information on verification testing and/or submit an Application for Testing of your technology.



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